

2014 WSU Mount Vernon Organic Spring Barley Variety Trial

Name	Yield (lbs/acre)	Test Weight (lbs/bu)	Protein (%)	Heading (Days from Jan. 1)	Height (in)	Lodging (%)	Leaf Rust (% Severity)	Leaf Rust Infection Type (1=R, 2=MR, 3=MS, 4=S)
LCS-Genie	4993	49.5	9.5	167	28	0	30	1
Lyon (05WA-316.K)	4906	49.2	8.9	162	33	27	67	3
LCS-Overture	4817	46.9	9.6	167	28	3	33	1
09WA-203.36	4754	49.6	8.6	163	33	3	67	3
LCS-Lamari	4618	49.4	9.6	159	29	0	40	1
09WA-228.13	4553	50.8	8.4	162	34	23	90	4
Muir (07WA-601.6)	4542	48.6	8.2	163	32	13	40	2
2Ab07-X031098-31	4538	48.4	9.1	162	35	3	77	3
2Ab04-X01084-27	4490	46.9	9.4	164	32	28	60	3
Bob	4485	50.8	8.2	163	34	12	57	2
LCS-Vespa (LCS LN09-0920)	4484	47.4	9.5	165	26	0	40	2
09WA-203.21	4461	50.4	8.8	163	32	10	47	2
Salute	4441	48.3	9.2	164	34	10	47	2
LCS-Odyssey	4394	47.0	9.7	166	28	8	10	1
09WA-203.24	4229	49.6	8.7	164	31	12	67	2
RWA 1758	4214	48.7	9.4	162	30	13	33	2
Baronesse	4173	49.8	9.2	164	31	2	30	2
Richard (2004NZ151)	4147	48.6	8.4	167	24	0	28	2
Champion	4112	50.6	8.6	162	33	3	90	4
11MQ71	4085	48.8	8.5	159	32	15	6	1
10WA-113.12	4047	49.5	10.4	163	27	20	80	4
2Ab07-X04M219-46	4030	43.6	8.5	167	35	10	70	4
10WA-105.33	4026	48.9	9.4	162	30	2	60	3
10WA-113.16	3952	48.1	10.4	164	27	3	90	4
AC Metcalfe	3925	48.6	8.5	163	36	7	87	4
Lenetah	3925	49.0	9.6	162	33	10	90	4
Harrington	3777	45.9	9.1	164	37	33	90	4
CDC Copeland	3696	46.7	9.6	165	38	33	90	4
X06G03-T148	3652	48.6	9.8	165	33	0	90	4
CDC Meredith	3541	46.6	8.9	165	33	20	90	4
10WA-106-18	3538	48.7	9.3	163	33	5	83	4
<i>Meresse</i>	3183	52.1	11.8	161	32	25	90	4
Tradition	3128	43.5	11.7	159	39	20	100	4
2AB09X06F084-51	3125	45.7	9.2	167	33	30	90	4
<i>X0626-T229</i>	3117	50.4	12.0	161	29	0	90	4
<i>X05013-T1</i>	2920	52.6	12.0	164	34	0	90	4
<i>X07G30-T131</i>	2919	55.2	11.1	166	35	5	87	4
<i>X06G07-T43</i>	2876	42.1	12.6	166	25	15	90	4
<i>2Ab09-X06F058HL-31</i>	2624	42.4	10.5	165	36	32	87	4
<i>09WA-265.5</i>	2574	50.9	12.0	166	31	7	93	4
<i>09WA-265.12</i>	2561	51.1	11.4	165	33	5	93	4
2008NZ006	2524	43.8	10.0	160	42	20	100	4
2008NZ004	2376	42.7	10.3	161	42	0	100	4
2008NZ013	2180	42.7	10.4	160	41	0	100	4
CV %	14.1	2.9	8.6	0.5	6.4	164	16	13
LSD (0.1)	727	1.9	1.1	1	3	25	16	1
Trial Mean	3810	48.1	9.7	163	33	11	70	3
Highest	4993	55.2	12.6	167	42	33	100	4
Lowest	2180	42.1	8.2	159	24	0	6	1

Planting Notes: The 2014 WSU Mount Vernon Organic Spring Barley Variety Trial was planted April 10th, 2014 in a certified organic field at the WSU Mount Vernon. Pre -plant organic fertilizer Proganic (8-2-4) was applied at a rate of 72 lbs N/Acre. Seed was planted at 120 lbs/acre with a double disc drill set on 6-inch spacing. Trial was tine weeded April 29th. Results are the average of three replicate plots of each variety, planted in a randomized complete block design. Plots were harvested August 12th, 2014.

All values within the 10% Least Significant Difference (LSD) range of the highest yielding variety are shown in **bold**.

For additional information, contact Steve Lyon (slyon@wsu.edu).

For additional variety testing results visit: <http://plantbreeding.wsu.edu>

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